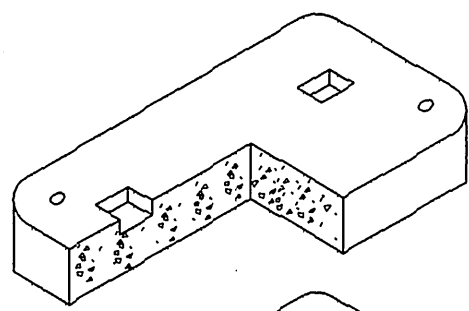
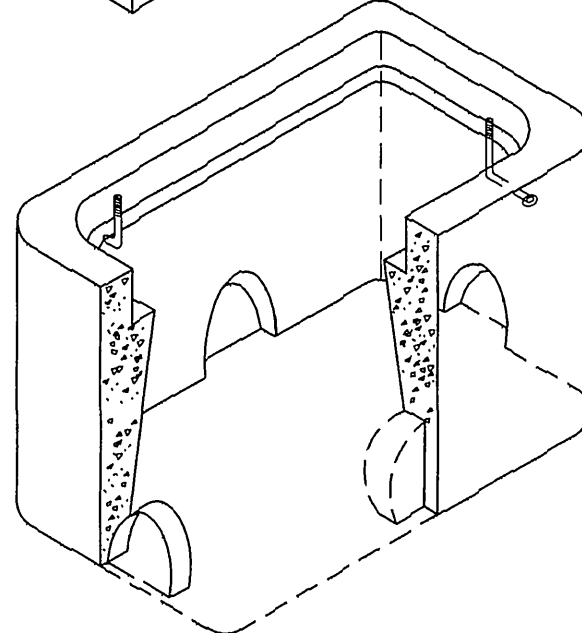


STEEL LID IN TRAFFIC AREAS



CONCRETE LID IN PLANTED AREAS

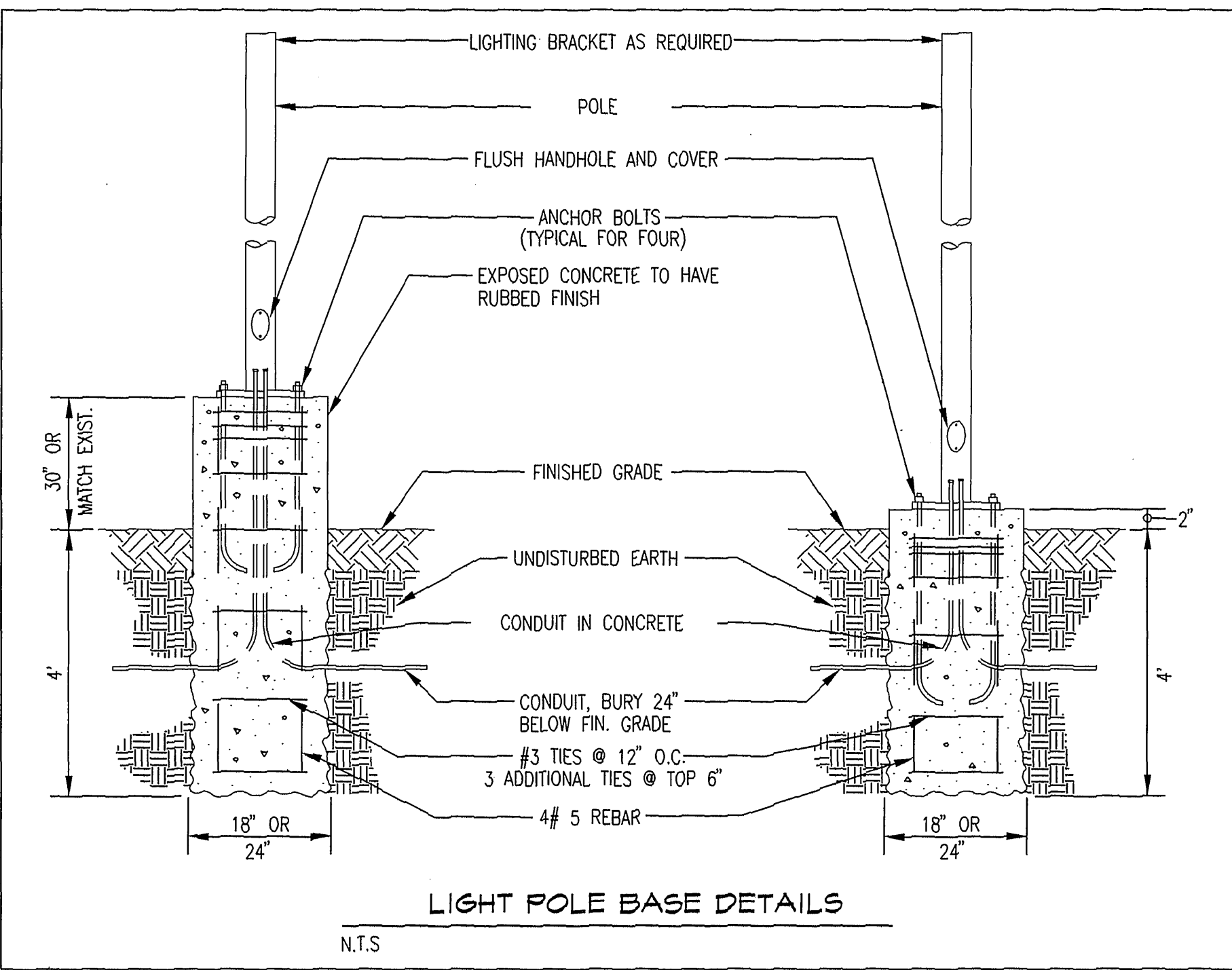


PLACE 12" CRUSHED ROCK UNDER PULL BOX.

ED-17 CONCRETE PULL BOX

- (A) 5" x 18' SQ STEEL POLE W/ TWIN FIXTURES.
(A1) 5" x 18' SQ STEEL POLE W/ SINGLE FIXTURE
(B) 5" ROUND x 20' STEEL POLE W/ TRIPLE FIXTURES
(C) 5" ROUND x 20' STEEL POLE W/ TWIN FIXTURES
(D) 16" "T" FITTERS TO MOUNT TO EXISTING TENNONS W/ TWIN FIXTURES
(E) 54" x 4 1/2" Ø "T" FITTERS TO MOUNT TO EXISTING POLES W/ TWIN FIXTURES
(F) 78" x 4 1/2" Ø "T" FITTERS TO MOUNT TO EXISTING POLES W/ TWIN FIXTURES
(G) SAME AS (F) BUT FIXTURES MOUNTED AT 90° TO EACH OTHER
(H) 5" x 20' SQ STEEL POLE WITH SINGLE FIXTURE.
(I) 5" x 20' SQ STEEL POLES W/ TWIN FIXTURES
(J) TWIN FIXTURES WITH ARMS. POLE WILL HAVE TO BE CUT TO 20' AND DRILLED TO ACCEPT THE NEW ARMS
(K) 5" x 18' SQ STEEL POLES W/ TRIPLE FIXTURES
(L) 24" x 5" SQ "T" FITTERS TO MOUNT TO EXISTING POLES W/ TWIN FIXTURES CUT POLES TO MATCH EXISTING ON LOT
(M) SAME AS (J)
(N) 5" x 20' SQ STEEL POLES W/ THREE ARMS AT 90°. REUSE EXISTING FIXTURES.

POLE AND FIXTURE NOTES FOR INDIVIDUAL DEALERSHIPS



STRUCTURAL CALCULATION ARE PROVIDED ON SEPERATE SHEETS.

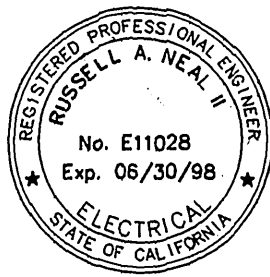
1. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO ACHIEVE A COMPLETE AND OPERATING SYSTEM.
2. COORDINATE AND OBTAIN APPROVALS FROM ALL RESPECTIVE UTILITY COMPANIES AS REQUIRED FOR A COMPLETE AND OPERATING INSTALLATION.
3. INSTALL RACEWAY SYSTEMS AS FOLLOWS:
a. USE RIGID GALVANIZED STEEL IN ALL AREAS EXPOSED TO PHYSICAL DAMAGE.
b. USE COMPRESSION TYPE FITTINGS FOR ELECTRICAL METALLIC TUBING WHERE UTILIZED.
c. USE P.V.C. CONDUIT UNDERGROUND WITH CODE SIZED GROUND.
4. ALL NEW WIRING SHALL BE COPPER TYPE "THHN/THWN" - U.O.N..
5. CONDUIT FOR ROOF MOUNTED EQUIPMENT SHALL BE ROUTED BELOW THE ROOF WITHIN THE BUILDING.
6. ALL FIXTURE, DEVICE, ETC... LOCATIONS SHALL BE VERIFIED WITH ARCH. DRAWINGS AS WELL AS EQUIPMENT SUPPLIER REQUIREMENTS PRIOR TO ANY ROUGH-IN WORK.
7. ALL LIGHTING FIXTURES SHALL BE MOUNTED AND SUPPORTED IN ACCORDANCE WITH OSHA STANDARDS AND ALL NATIONAL AND LOCAL ELECTRICAL CODES.
8. THESE DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE INTENT OF EQUIPMENT, DEVICES, ETC... TO BE CONNECTED AND THE CIRCUITS TO WHICH THEY ARE TO BE CONNECTED TO. CONTRACTOR SHALL INSTALL ALL CONDUIT, J-BOXES, ETC... AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
9. ALL EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF.
10. ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL LOCAL AND NATIONAL GOVERNING CODES.
11. ALL EQUIPMENT SHALL BE NEW AND BEAR A "UL" LABEL - U.O.N..
12. ELECTRICAL CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY BUILDING PERMITS.
13. COMPLETE ELECTRICAL INSTALLATION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF (1) YEAR - U.O.N..
14. ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO BID DATE, TO VERIFY ALL EXISTING CONDITIONS TO BE ENCOUNTERED IN THE INSTALLATION OF ALL NEW EQUIPMENT, FIXTURES DEVICES, FEEDERS, ETC... EXACT INSTALLATION METHOD AND REQUIREMENTS SHALL BE VERIFIED AND DETERMINED PRIOR TO BID DATE. CONTRACTORS SHALL IMMEDIATELY NOTIFY THIS ENGINEER OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT SHOWN ON THESE DRAWINGS. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED.
15. ALL EQUIPMENT ELECTRICAL CHARACTERISTICS, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK.
16. ELECTRICAL CONTRACTOR SHALL FURNISH THE FOLLOWING SHOP DRAWINGS FOR PRIOR APPROVAL:
a. ALL ELECTRICAL DISTRIBUTION EQUIPMENT AND PANELBOARDS.
b. PULL BOXES, RELAYS, TIME CLOCKS & CONCRETE MIX DESIGN.
17. THESE ITEMS SHALL BE APPROVED BY THIS OFFICE PRIOR TO ANY COMMENCEMENT OF PLACING ORDERS OR PERFORMING ANY ROUGH-IN WORK.
18. COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH THE PRESENTLY ADOPTED EDITION OF THE N.E.C. ART. 250.
19. PROVIDE ENGRAVED PLASTIC NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT.
20. PROVIDE THE OWNERS AND THIS ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF JOB.
21. LIGHTING RELAYS TO BE GE. # CR353ADXB1, WHERE X= # OF POLES, OR EQUAL BY SQ. D.
22. ON SITE TRENCHING SHALL HAVE A MINIMUM COVER OF 24" TO FINISH GRADE. CONTRACTOR SHALL BACKFILL ALL TRENCHING UNDER ASPHALT WITH 2 SACK SLURRY MIX TO 1" FROM EXISTING ASPHALT GRADE. CAP TRENCH WITH ASPHALT.
23. CONTRACTOR SHALL INCLUDE ALL WIRE, CONDUIT, ETC. FOR A COMPLETE SYSTEM. THIS INCLUDES THE REWORKING OF EXISTING CIRCUITS. ASSUME THAT THE WIRING IS INTACT FROM THE PANELS TO THE FIRST POLE LOCATION. FROM THERE THE RESPONSIBILITY IS THE CONTRACTORS TO PROVIDE NEW CONDUIT AND WIRE TO MATCH EXISTING. THE BASE BID WILL INCLUDE ALL THESE COSTS.
24. LIGHT FIXTURES ARE TO MATCH EXISTING AND WILL NOT BE SUBSTITUTED. FOR PRICING INFORMATION CONTACT:
FRB & ASSOCIATES
5021 LAKE HARBOR ROAD
MUSKEGON, MI 49441
(616) 798-3602 FAX (616) 798-3810
25. AT ELECTRICAL CONTRACTORS RELEASE ALL LIGHTS AND POLES ARE REQUIRED TO BE SHIPPED TO EACH INDIVIDUAL DEALER FOR TEMPORARY STORAGE AT A LOCATION ON THE DEALERS PROPERTY TO BE DETERMINED BY EACH DEALER. SAID CONTRACTOR SHALL ALLOW 4 TO 6 WEEKS FOR FACTORY LEAD TIME.

GENERAL NOTES AND SPECIFICATIONS

Underground Service Alert
Call: TOLL FREE
1 - 800
422 - 4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO PRILLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1378 FAX 240-1782

SCALE: BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE
DATE: OCTOBER 1997 ELEVATION: 810.933

MARK REVISIONS APPR. DATE
DESIGNED BY: DRAWN BY: CHECKED BY:

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: BY: DATE: APPROVED BY:
PRINCIPAL ENGR. DIRECTOR OF PUBLIC WORKS
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. DATE:

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA

AUTO. CENTER RENOVATION PLAN SHEET

DETAILS AND NOTES

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO.

SHEET

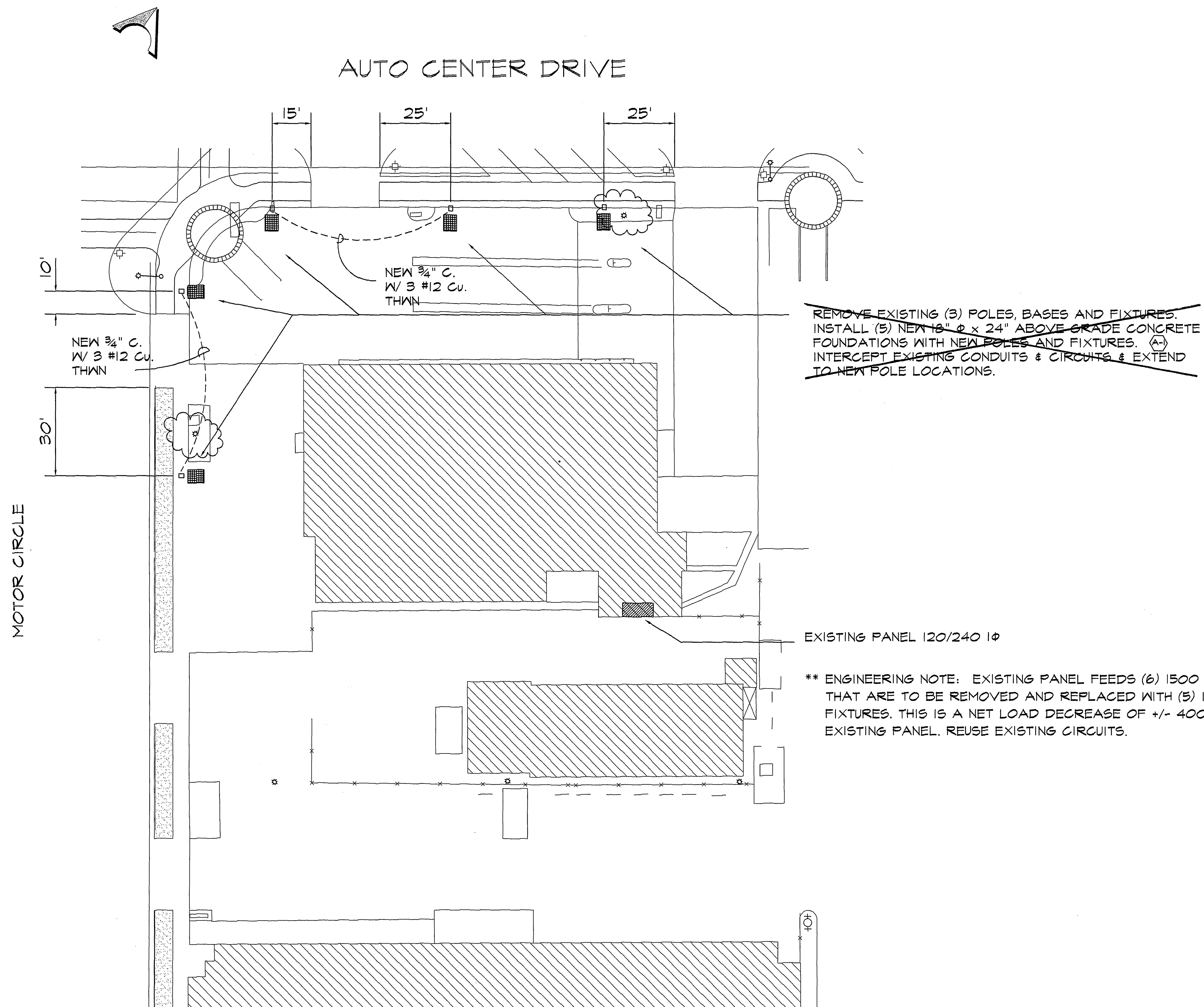
DL-1
OF 13

FILE NO.: 9613380

File W/R-3471

INDEXED 12-26-01 4H

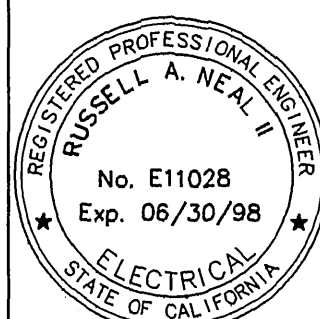
C:\AUTOMALL\DL-2 Thu Nov 20 12:05:40 1997



Underground Service Alert
Call: TOLL FREE
1 - 800
422 - 4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION
CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE
RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF
CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS
AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY
CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND
CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY
AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL
LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE
PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY
ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO BRILLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1578 FAX 240-1782

SCALE: 1"=20'
DATE: OCTOBER 1997
BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN
CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF
INDIANA AVENUE ELEVATION: 810.933

MARK REVISIONS APPR. DATE
DESIGNED BY DRAWN BY CHECKED BY

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

APPROVED BY BY DATE APPROVED BY
PRINCIPAL ENGR. PARK DEPARTMENT DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION CHIEF P.W. ENGR. DATE

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA

AUTO CENTER RENOVATION PLAN
CAR WASH
8190 AUTO CENTER DRIVE
LIGHTING PLAN

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO.

SHEET

DL-2
OF 13

FILE NO.: 9613380

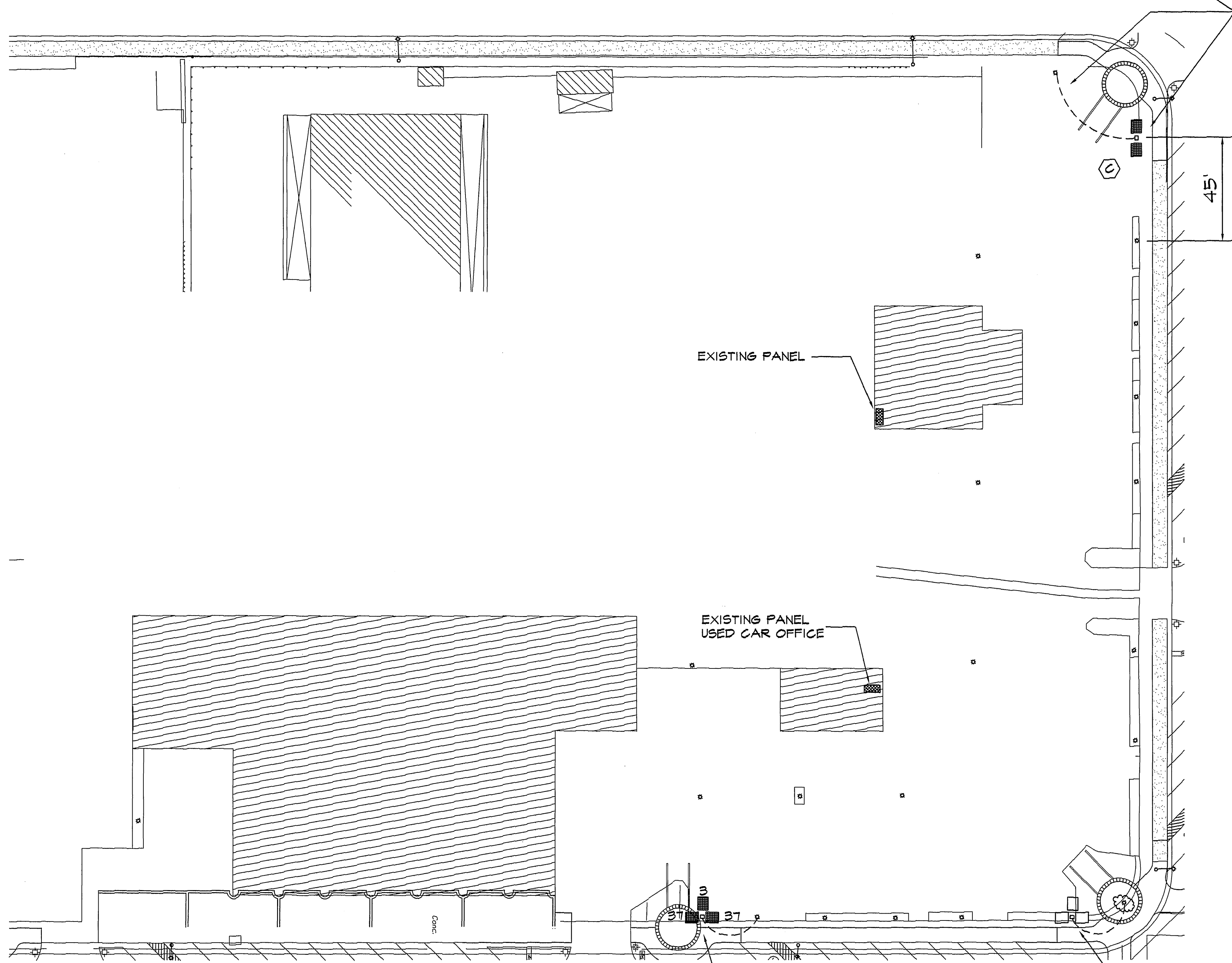
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INDEXED 12-26-01 Lth

C:\AUTOMALL\DL-3 Thu Nov 20 13:38:57 1997

INSTALL NEW CONCRETE FOUNDATION TO MATCH THE EXISTING. INSTALL NEW POLE AND FIXTURES TO MATCH EXISTING. INSTALL NEW CONDUIT AND WIRE FROM EXISTING POLE. USE 3/4" C. WITH 3 # 10 CONDUCTORS.

EXISTING PANELS WITH ADDED LOADS



PANEL IS EXISTING										Bus: 277 /480 Volts									
Location: USED CAR OFFICE					Serving: LIGHTING					3 Φ, 4 Wire, 225 AMP					FLUSH MOUNTED				
										X Surface Mnt.									
Load Type	Circuit Description				CONN VA	AMP	C.B. Pole	CKT	PH	CKT	Pole	AMP	CONN VA	Circuit Description				Load Type	
L	LIGHTING				4280	20	1	1	A	2	1	20		LIGHTING				L	
L	LIGHTING				5350	20	1	3	B	4	1	20	5350	LIGHTING				L	
L	LIGHTING				5350	20	1	5	C	6	1	20	4280	LIGHTING				L	
	SPARE					20	1	7	A	8	1	20	4280	LIGHTING				L	
	SPARE					20	1	9	B	10	1	20	1070	LIGHTING				L	
L	LIGHTING				4280	20	1	11	C	12	1	20		SPARE				L	
									13	A	14								
									15	B	16								
									17	C	18								
									18	A	20								
									21	B	22								
									23	C	24								
L	SPLIT BUSS				50	3	25	A	26	3	30	5500	TRANSFORMER				N		
L	FEED LOWER SECTION				50	3	27	B	28	3	30	5500	FOR 120/208 PANEL				N		
L	FEED LOWER SECTION				50	3	29	C	30	3	30	5500					N		
									31	A	32								
									33	B	34								
									35	C	36								
L	SALES LIGHTING				5350	30	1	37	A	38	1	30		SPARE				L	
L	SALES LIGHTING					30	1	39	B	40	1	30	3210	SALES LIGHTING				L	
L	SPARE					30	1	41	C	42	1	30		SPARE				L	
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:														0.00 KVA					
Total Noncoincident (E) Load (Not included in demand load):														0.00 KVA					
Total Lighting (L) Load @ 1.25%:														53.5 KVA					
Total Motor (M) Load:														0 KVA					
Total NonContinuous (N) Load:														Largest Motor: (25% added to demand load): HP					
TOTAL CONNECTED LOAD:														TOTAL DEMAND LOAD					
59.3 KVA														70.0 KVA					
AMP														84.2 A					
Total / Φ														A B C					
														70 74 70					

PANEL IS EXISTING										Bus: 277 /480 Volts									
Location: REAR SERVICE BAY										Serving: 3 Φ, 4 Wire, 225 AMP X Main Lugs Only									
										X Surface Mnt.									
Load Type	Circuit Description				CONN VA	AMP	C.B. Pole	CKT	PH	C.B. CKT	Pole	AMP	CONN VA	Circuit Description				Load Type	
L	SHOP LIGHTS				1344	20	1	1	A	2	1	20	500	EXTERIOR LIGHTING				L	
L	SHOP LIGHTS				1344	20	1	3	B	4	1	20		SPARE					
	SPARE					20	1	5	C	6	1	20		SPARE					
	SPARE					20	1	7	A	8	1	20		SPARE					
	SPARE					20	1	9	B	10	1	20		SPARE					
	SPAR					20	1	11	C	12	1	20		SP					
L	SPLIT BUSS					50	3	25	A	26	3	30	5500	TRANSFORMER				E	
L						50	3	27	B	28	3	30	5500						
L	FEED LOWER SECTION					50	3	29	C	30	3	30	5500	FOR 120/208 PANEL				E	
L	SALES LIGHTING				4280	30	1	37	A	38	1	30	4280	SALES LIGHTING				L	
L	SALES LIGHTING				4280	30	1	39	B	40	1	30		SPARE				L	
L	SPARE					30	1	41	C	42	1	30	4280	SALES LIGHTING				L	
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:														0.00 KVA					
Total Noncoincident (E) Load (Not included in demand load):														16.50 KVA					
Total Lighting (L) Load @ 1.25%: 25.385 KVA														0.00 KVA					
Total Motor (M) Load: 0 KVA														Largest Motor: (25% added to demand load): HP 0.00 KVA					
TOTAL CONNECTED LOAD: 36.8 KVA														TOTAL DEMAND LOAD 25.4 KVA					
AMP Total / Φ														30.5 A					
A B C																			
57 40 35																			

INDIANA

NEW 24" Ø CONCRETE BASES TO MATCH OTHERS. USE NEW 1" x 36" x 4" ANCHOR BOLTS. RELOCATE EXISTING POLES WITH NEW FITTERS & FIXTURES. EXTEND EXISTING CIRCUITS TO NEW POLE LOCATIONS.

REMOVE ALL FIXTURE HEADS AND FITTERS ON THE FRONT ROW ALONG INDIANA AND ADAMS. REPLACE WITH NEW TWIN HEADS & FITTERS. (D) SEE SHEET DL-1 FOR CALLOUTS. REMOVE THE QUARTZ FIXTURES, CAP THE CIRCUITS AND PLUG THE HOLES IN THE POLES.

ADAMS

** ENGINEERING NOTE: REUSE EXISTING CIRCUITS WITH NO ADDITIONAL LOADS ADDED.

LIGHTING FIXTURE SCHEDULE FOR PLAN DL-4 (10-19-97)

- Type D The (27) existing light poles to have two new light fixtures attached to each pole (1000-MH). 27 are Left Throw and 27 are Right Throw.
- (2) sets 1"x 36" new anchor bolts to relocate the front corner poles.
- NOTE: The (27) existing poles shall be repainted in white to match the new lights (contractor to furnish painting materials)
- NOTE: All mid-pole quartz lights to be removed and pole openings capped off.

C:\AUTOMALL\DL-4 Thu Nov 20 13:53:13 1997

<p>Underground Service Alert Call: TOLL FREE 1 - 800 422 - 4133 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE</p> <p>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE GROSS NEGLIGENCE OF DESIGN PROFESSIONAL.</p>	<p>REGISTERED PROFESSIONAL ENGINEER RUSSELL A. NEAL II No. E11028 Exp. 06/30/98 ELECTRICAL STATE OF CALIFORNIA</p>	<p>WEST COAST DESIGN ELECTRICAL AND LIGHTING ENGINEERS 26692 PASEO BRILLO, SUITE 200 SAN JUAN CAPISTRANO, CA 92675 (714) 240-1978 FAX 240-1782</p>	<p>SCALE: 1"=30' DATE: MARCH 1997 BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933</p>	<table border="1"> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> <p>DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____</p>	MARK	REVISIONS	APPR.	DATE													<p>CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS</p> <table border="1"> <tr> <td>APPROVED BY</td> <td>BY</td> <td>DATE</td> <td>APPROVED BY</td> </tr> <tr> <td>PRINCIPAL ENGR.</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>PARK DEPARTMENT</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>TRAFFIC DIVISION</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>CHIEF P.W. ENGR.</td> <td> </td> <td> </td> <td> </td> </tr> </table> <p>DIRECTOR OF PUBLIC WORKS DATE _____</p>	APPROVED BY	BY	DATE	APPROVED BY	PRINCIPAL ENGR.				PARK DEPARTMENT				TRAFFIC DIVISION				CHIEF P.W. ENGR.				<p>IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA</p> <p>AUTO CENTER RENOVATION PLAN QUAID IMPORTS 8330 INDIANA AVE. LIGHTING PLAN</p> <p>FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT</p> <p>PROJECT NO. _____ SHEET DL-4 OF 13 FILE NO.: 9613380</p>
MARK	REVISIONS	APPR.	DATE																																								
APPROVED BY	BY	DATE	APPROVED BY																																								
PRINCIPAL ENGR.																																											
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File W/R-34V

INDEXED 12-26-01 LPH

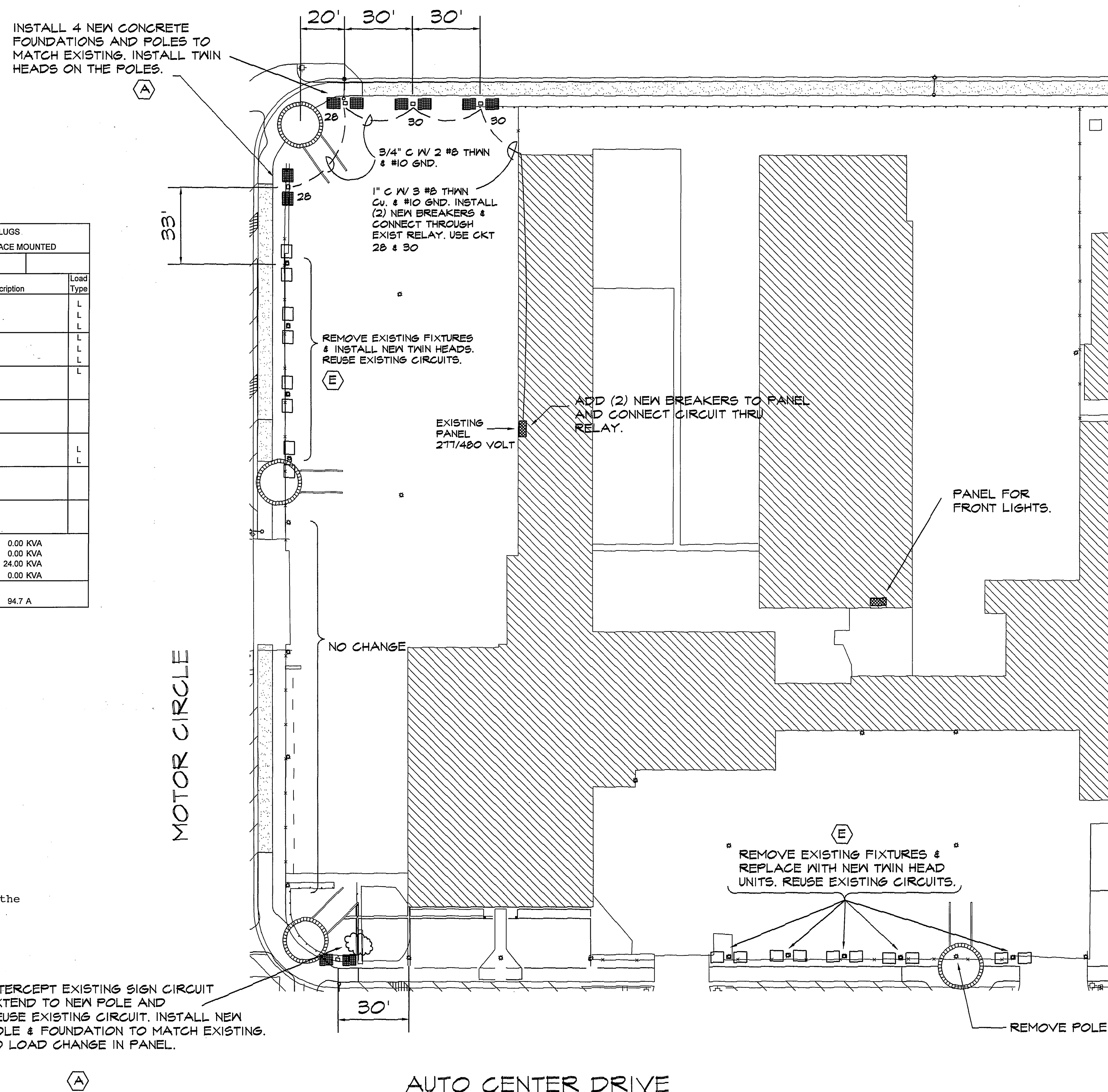
PANEL IS EXISTING										Bus: 277 480 Volts		MAIN LUGS			
Location: SERVICE AREA										Serving: LIGHTING		3 Φ , 4 Wire, 225 AMP		SURFACE MOUNTED	
Load Type	Circuit Description		CONN VAMP	C.B. AMP	Pole	CKT	PH	C.KT	Pole	AMP	CONN VAMP	Circuit Description		Load Type	
L	LIGHTING		2140	20	1	1	A	2	1	20	3210	LIGHTING		L	
L	LIGHTING		2140	20	1	3	B	4	1	20	3210	LIGHTING		L	
L	LIGHTING		2140	20	1	5	C	6	1	20	2140	LIGHTING		L	
L	LIGHTING		3840	20	1	7	A	8	1	20	2688	LIGHTING		L	
L	LIGHTING		3840	20	1	9	B	10	1	20	2880	LIGHTING		L	
L	LIGHTING		3210	20	1	11	C	12	1	20	3072	LIGHTING		L	
N	SPARE		700	20	1	13	A	14	1	20	700	LIGHTING		L	
N	TRANSFORMER		8000	100	3	15	B	16	1	20		SPARE			
N	FOR 120/208 PANEL		8000	100	3	17	C	18	1	20		SPARE			
N			8000	100	3	19	A	20	1	20		SPARE			
	SPARE		20	1	21	B	22	1	20			SPARE			
	SPARE		20	1	23	C	24	1	20			SPARE			
	SPARE		20	1	25	A	26	1	20			SPARE			
	SPARE		20	1	27	B	28	1	20		4280	LIGHTING		L	
	SPARE		20	1	29	C	30	1	20		4280	LIGHTING		L	
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:														0.00 KVA	
Total Nonconcurrent (E) Load (Not included in demand load):														0.00 KVA	
Total Lighting (L) Load @ 1.25%: 54.7125 KVA														24.00 KVA	
Total Motor (M) Load: 0 KVA														0.00 KVA	
Total NonContinuous (N) Load:															
Largest Motor: (25% added to demand load): HP															
TOTAL CONNECTED LOAD:															
			67.8 KVA	AMP			A	B	C	TOTAL DEMAND LOAD					
				Δ / Φ			74	83	82	78.7 KVA.			94.7 A		

LIGHTING FIXTURE SCHEDULE FOR PLAN DL-5


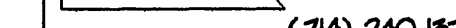
Type A (5) double fixtures 1000-MH on 5"sq. x 18' poles.
(5 left throw and 5 right throw)

Type E (9) double fixtures 1000-MH and special 54" long pole risers to be field-attached to existing round poles.
(9 left throw and 9 right throw)

NOTE: Above (9) existing poles shall be repainted in white to match the new lights (contractor to furnish paint materials)



** ENGINEERING NOTE: PANEL FOR FRONT LIGHTS
WILL HAVE NO INCREASED LOAD.

 <p>Underground Service Alert Call: TOLL FREE 1 - 800 422 - 4133</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE</p> <p>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITIONS DURING THE PROJECT DESIGN AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL BUSINESS HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>		<p>WEST COAST DESIGN</p> <p>ELECTRICAL AND LIGHTING ENGINEERS 26692 PASO DELLO, SUITE 200 SAN JUAN CAPISTRANO, CA 92675 (714) 240-1575 FAX 240-1782</p>	<p>SCALE: 1"=30'</p> <p>BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933</p> <p>DATE: APRIL 18, 1997</p>	<p>ADD (2) NEW POLES WITH FIXTURES</p> <p>5-97</p>		<p>CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS</p> <p>APPROVED BY _____ BY DATE _____ PRINCIPAL ENGR. PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGR.</p> <p>DIRECTOR OF PUBLIC WORKS _____ DATE _____</p>	IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA	PROJECT NO.
					AUTO CENTER RENOVATION PLAN	SHEET			
					Moss Motors Dodge 8151 AUTO CENTER DRIVE	DL-5			
					LIGHTING PLAN	OF 13			
					FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT	FILE NO.: 9613380			

EXISTING PANELS WITH ADDED LOADS

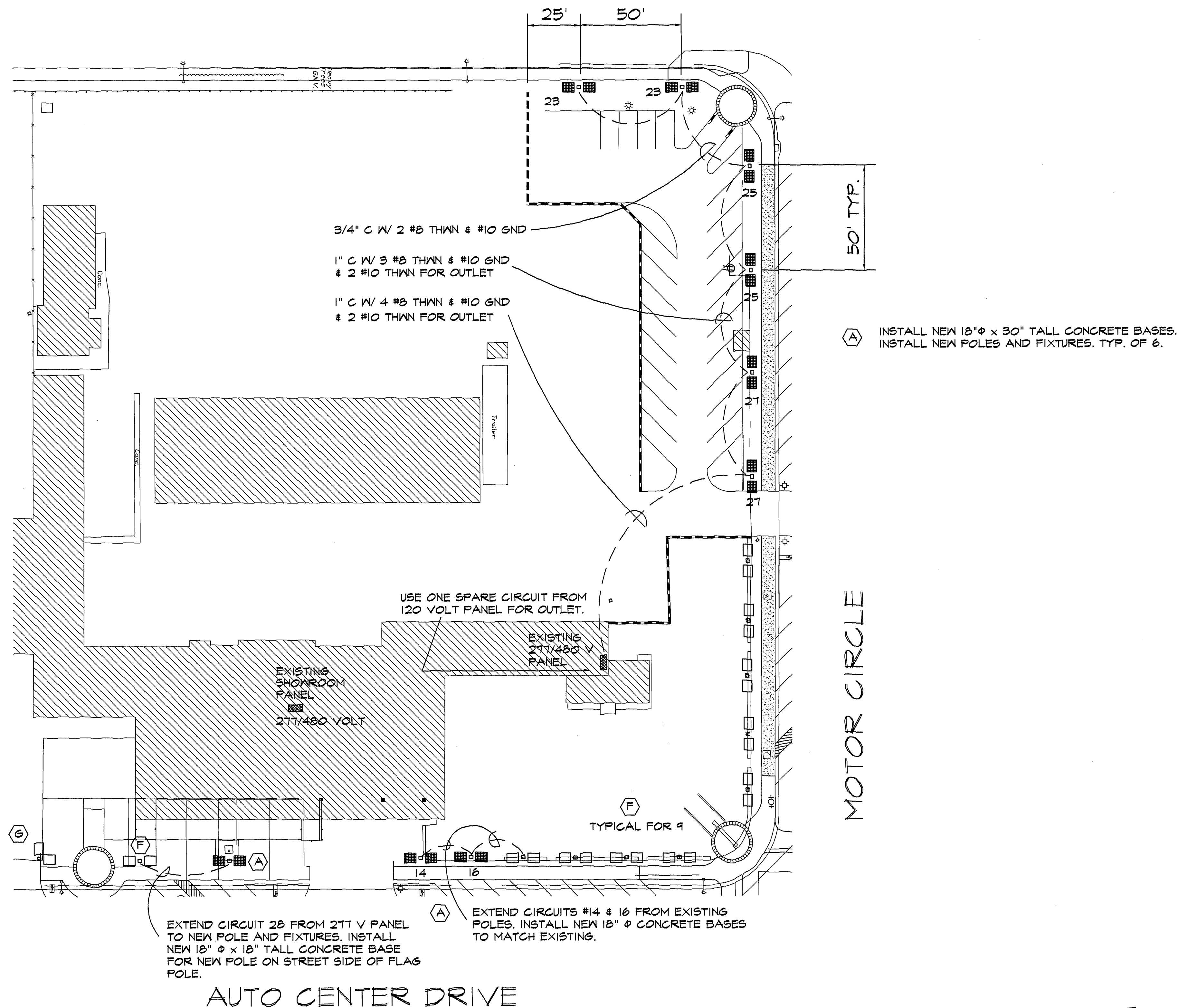
PANEL NO.	SECTION 1 OF 1	Bus: 277 /480 Volts	X Main C.B., 225 AMP
Location: SHOWROOM AREA	Serving: LIGHTING	3 Φ , 4 Wire, 225 AMP	Main Lugs Only
Integrated Equipment SC Rating 35,000 RMS SYM AMPS	Feed Thru Lugs SubFeed Lugs	Iso. Gnd. Bus	X Flush Mnt. Surface Mnt.
Load Type	Circuit Description	CONN VA	Circuit Description
N	BUILDING A TRANSFORMER	12000	AIR COND @ SHOWROOM
N		12000	
N		12000	
M	AIR COND UNIT #2	3000	AIR COND UNIT #1
M		3000	
M		3000	
N	TRANSFORMER	4155	LIGHTING
N	TRANSFORMER	4155	LIGHTING
L	LIGHTS	1610	LIGHTING
L	LIGHTS	1610	LIGHTING
L	LIGHTS	1650	LIGHTING
L	LIGHTS	1560	LIGHTING
L	LIGHTS	1610	SPARE
L	LIGHTS	1610	LIGHTS @ FRONT
L	SPARE	20	LIGHTS @ FRONT
L	SPARE	31	LIGHT
L	SPACE	33	SPACE
L	SPACE	35	SPACE
L	SPACE	37	SPACE
L	SPACE	39	SPACE
L	SPACE	41	SPACE
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder: 0.00 KVA			
Total Noncoincident (E) Load (Not included in demand load): 0.00 KVA			
Total Lighting (L) Load @ 1.25%: 37.265 KVA			
Total Motor (M) Load: 31.5 KVA			
Total Demand Load: 10 HP			
TOTAL CONNECTED LOAD: 105.6 KVA			
AMP			
Total / Φ			
128 138 115			
TOTAL DEMAND LOAD 115.1 KVA			
138.5 A			

PANEL NO. UNKNOWN	SECTION 1 OF 1	Bus: 277 /480 Volts	X Main C.B., AMP
Location: SERVICE AREA	Serving: LIGHTING	3 Φ , 4 Wire, 100 AMP	Main Lugs Only
Integrated Equipment SC Rating 35,000 RMS SYM AMPS	Feed Thru Lugs SubFeed Lugs	Iso. Gnd. Bus	X Surface Mnt.
Load Type	Circuit Description	CONN VA	Circuit Description
N	15 KVA TRANSFORMER	4500	SPARE
N	FOR	4500	SPARE
N	SERVICE AREA POWER	4500	SPARE
L	SPARE	20	SALES LIGHTS
L	SHOP LIGHTS	1920	SALES LIGHTS
L	SHOP LIGHTS	2304	SALES LIGHTS
L	SALES LIGHTS	2140	SALES LIGHTS
L	SALES LIGHTS	2140	SALES LIGHTS
L	SALES LIGHTS	2140	SALES LIGHTS
L	SALES LIGHTS	3840	SHOP LIGHTS
L	SALES LIGHTS	4180	SPARE
L	SALES LIGHTS	4180	SPACE
L	SALES LIGHTS	4180	SPACE
L	SALES LIGHTS	4180	SPACE
L	SPACE	4180	SPACE
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder: 0.00 KVA			
Total Noncoincident (E) Load (Not included in demand load): 0.00 KVA			
Total Lighting (L) Load @ 1.25%: 61.4675 KVA			
Total Motor (M) Load: 0 KVA			
Total Demand Load: HP			
TOTAL CONNECTED LOAD: 62.7 KVA			
AMP			
Total / Φ			
83 80 63			
TOTAL DEMAND LOAD 75.0 KVA			
90.2 A			

LIGHTING FIXTURE SCHEDULE FOR PLAN DL-6

- Type A (8) double fixtures 1000-MH on 5"sq.x 18' poles.
(8 left throw and 8 right throw)
- (1) same as above except pole to have an opening for electrical convenience outlet (contractor to furnish outlet and cover)
(1 left throw and 1 right throw)
- Type F (10) double fixtures 1000-MH with special 78" long pole risers to be field-attached to existing poles. (10 left throw and 10 right throw). Fixtures in 180° configuration.
- Type G (1) double fixtures 1000-MH with special 78" long pole riser in 90° configuration to be field attached to existing pole.
(1 left throw and 1 right throw)

NOTE: Above (11) type "F" and "G" poles shall be repainted in white to match the new lights and risers (contractor to furnish paint materials).



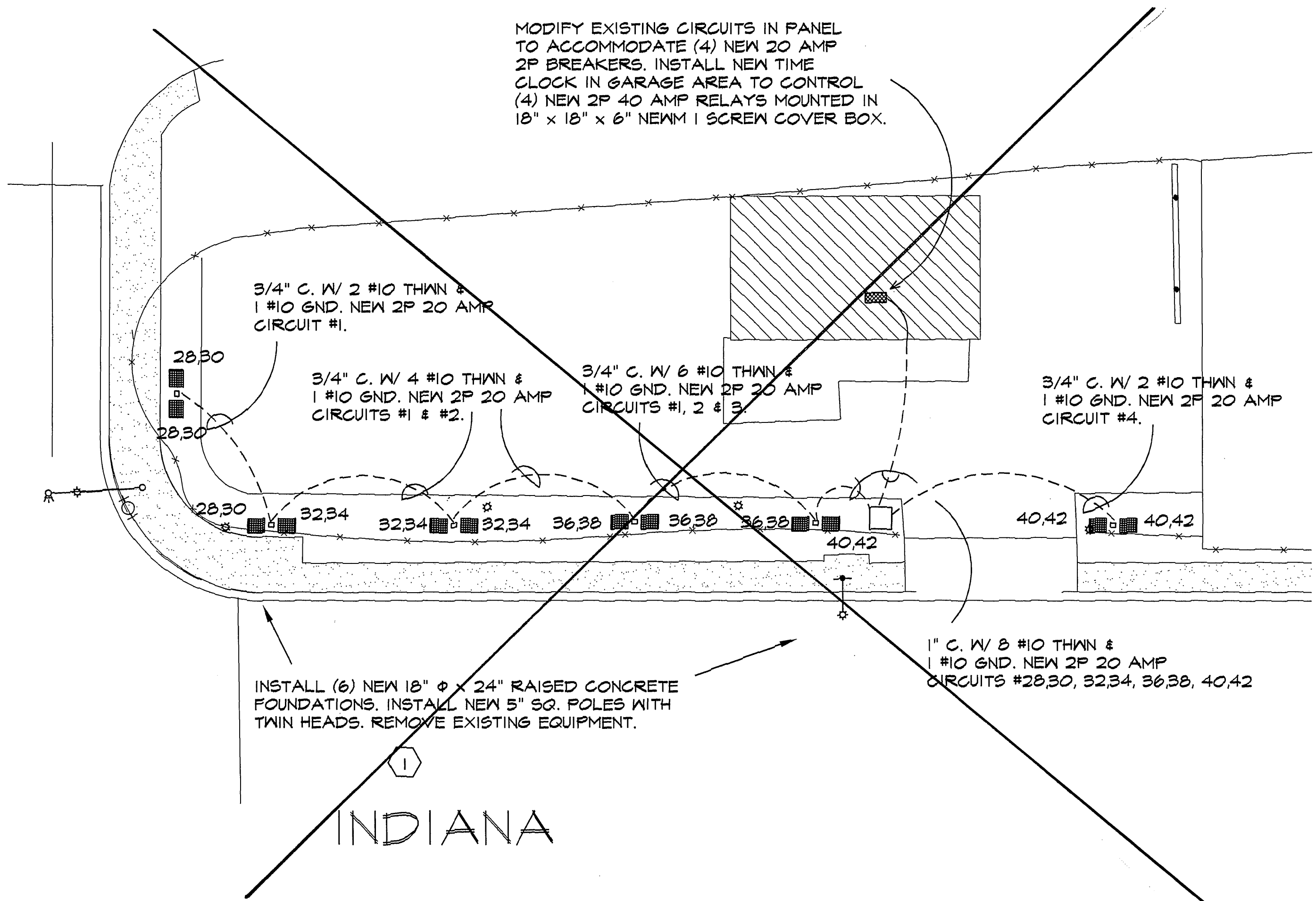
C:\AUTOMALL\DL-6 Thu Nov 20 15:23:07 1997

Underground Service Alert Call: TOLL FREE 1 - 800 422 - 4133 TWO WORKING DAYS BEFORE YOU DIG	PRIVATE ENGINEERING NOTE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS RESPONSIBILITY SHALL BE LIMITED TO NORMAL WORKING HOURS, AND LIABILITY SHALL BE LIMITED TO THE EXTENT OF THE CONTRACTOR'S NEGLIGENCE AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.	REGISTERED PROFESSIONAL ENGINEER RUSSELL A. NEAL II No. E11028 Exp. 06/30/98 ELECTRICAL STATE OF CALIFORNIA	WEST COAST DESIGN ELECTRICAL AND LIGHTING ENGINEERS 26692 PASEO DELILLO, SUITE 200 SAN JUAN CAPISTRANO, CA 92675 (714) 240-1578 FAX 240-1782	SCALE: 1"=30' DATE: MAY 1997 BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933	MARK REVISIONS APPR. DATE DESIGNED BY DRAWN BY CHECKED BY	CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS APPROVED BY PRINCIPAL ENGR. PARK DEPARTMENT CHIEF P.W. ENGR. DATE	IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA PROJECT NO. AUTO CENTER RENOVATION PLAN MULLER HOOD PONTIAC 8101 AUTO CENTER DRIVE LIGHTING PLAN FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT FILE NO.: 9613380	File W/R-3471 SHEET DL-6 OF 13 INDEXED 12-26-01
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EXISTING PANEL WITH PEAK LOAD FROM PREVIOUS 12 MONTHS OF BILLING
WITH A 1.25 FACTOR PER NEC 220-35 & ADDED LOAD OF NEW LIGHTING.

PANEL IS EXISTING		Bus: 120 /240 Volts		Main Lugs Only	
Location:		Serving:		1 Φ , 3 Wire, 200 AMP	
Integrated Equipment SC Rating		10000 RMS SYM AMPS		Flush Mnt.	
Load Type	Circuit Description	CONN VA	C.B. AMP Pole	PH CKT Pole AMP	CONN VA
N	LOADS ARE FROM HIGHEST	8675	20 1 1	A 2 1 20	
N	PEAK DEMAND X 125% PER	8675	20 1 3	B 4 1 20	
N	NEC 220-35		20 1 5	A 6 1 20	
			20 1 7	B 8 1 20	
			20 1 9	A 10 1 20	
			20 1 11	B 12 1 20	
			20 1 13	A 14 1 20	
			20 1 15	B 16 1 20	
			20 1 17	A 18 1 20	
			20 1 19	B 20 1 20	
			20 1 21	A 22 1 40	
			1 23	B 24 1 40	
SPACE					
SPACE			1 25	A 26 1	SPACE
SPACE			1 27	B 28 2	1605 NEW LIGHTING
			20 1 29	A 30 2	1605 NEW LIGHTING
			20 2 31	B 32 2	1605 NEW LIGHTING
			20 2 33	A 34 2	1605 NEW LIGHTING
			20 2 35	B 36 2	1605 NEW LIGHTING
			20 2 37	A 38 2	1605 NEW LIGHTING
			30 2 39	B 40 2	1605 NEW LIGHTING
			30 2 41	A 42 2	1605 NEW LIGHTING
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:		0.00 KVA			
Total Noncoincident (E) Load (Not included in demand load):		0.00 KVA			
Total Lighting (L) Load @ 1.25%:		16.05 KVA		Total NonContinuous (N) Load:	
Total Motor (M) Load:		0 KVA		Largest Motor: (25% added to demand load):	
TOTAL CONNECTED LOAD:		30.2 KVA		TOTAL DEMAND LOAD	
		AMP		A B	
		Total / Φ		126 126	
				33.4 KVA 139.2 A	

ADAMS



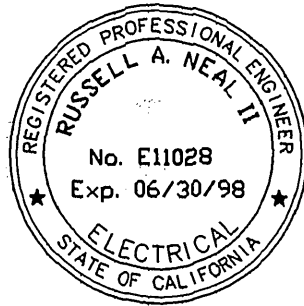
DELETE
DO NOT BID

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Underground Service Alert
Call: TOLL FREE
1 - 800
422 - 4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO PRILLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1978 FAX 240-1782

SCALE: 1"=20'
DATE: APRIL 1997
BENCH MARK:

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: _____
PRINCIPAL ENGR. _____
PARK DEPARTMENT _____
TRAFFIC DIVISION _____
CHIEF P.W. ENGR. _____

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA
AUTO CENTER RENOVATION PLAN
GMAS USED CARS
8291 INDIANA AVE.
LIGHTING PLAN

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO. _____
SHEET
DL-7
OF 13
FILE NO.: 9613380

File W/R-347

INDEXED 12-26-01 LTH

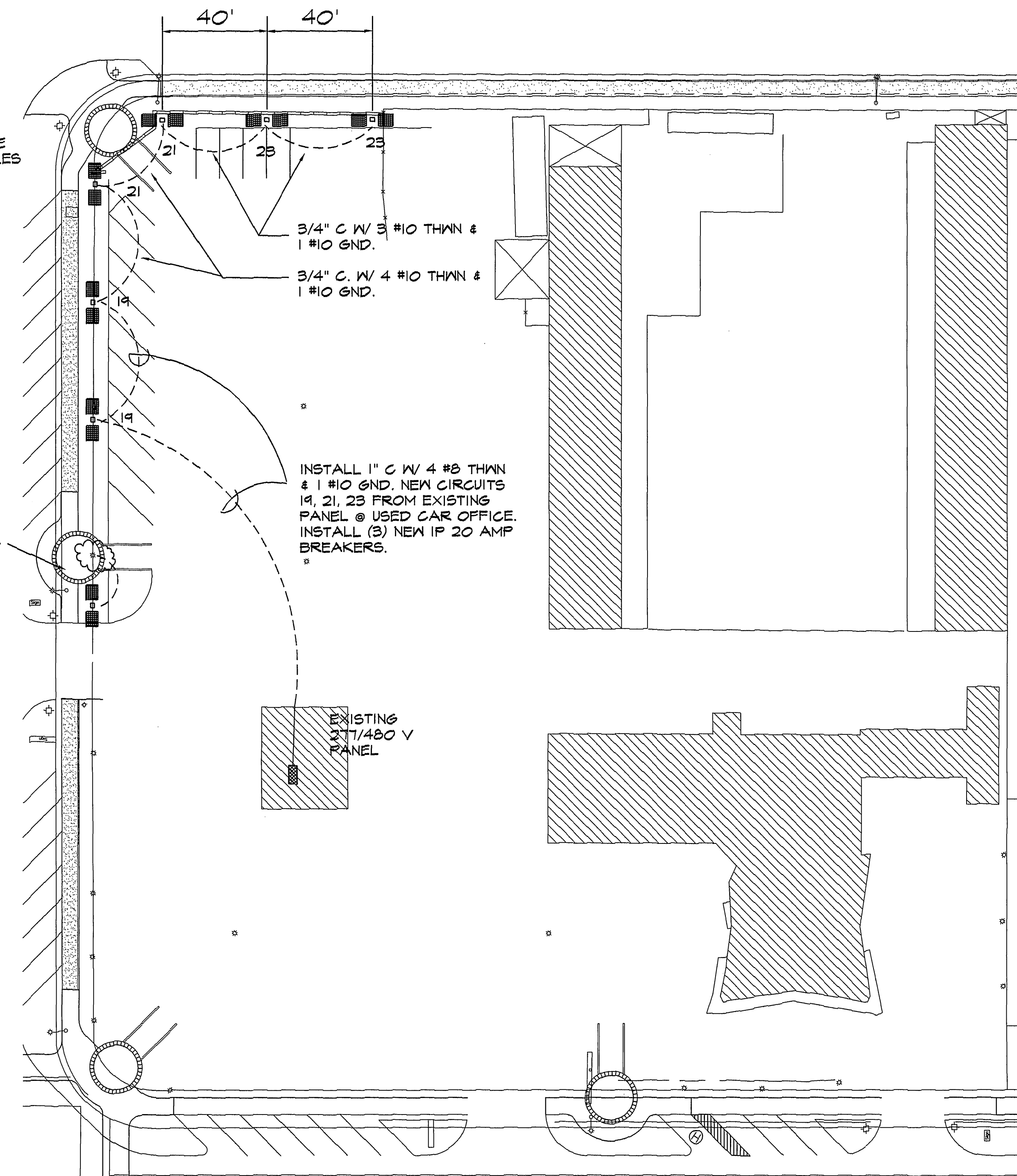
A TYPICAL OF ALL 7.

3/4" C W/ 3 #10 THWN &
1 #10 GND.

- 3/4" C. W/ 4 #10 THWN &
1 #10 GND.

INSTALL 1" C W/ 4 #8 THWN
#1 #10 GND. NEW CIRCUITS
19, 21, 23 FROM EXISTING
PANEL @ USED CAR OFFICE.
INSTALL (3) NEW 1P 20 AMP
BREAKERS.

EXISTING
277/480 V
PANEL

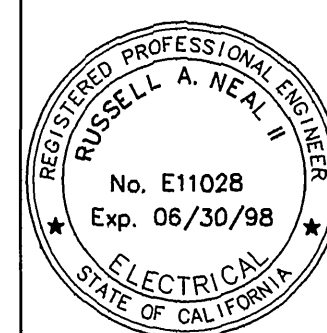
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FILE W/R-3471

Underground Service Alert
Call: TOLL FREE
1 - 800
422 - 4133

TWO WORKING DAYS BEFORE YOU DIG

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY TO CONSTRUCTION AND NOT BE LIMITED AS NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY OF DESIGN PROFESSIONAL.



WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO BRILLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1378 FAX 240-1783

SCALE: 1"=30'

DATE: APRIL 1999

BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

APPROVED BY	BY	DATE
PRINCIPAL ENGR.		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W.ENGR.		

AUTO CENTER RENOVATION PLAN
ALVAREZ LINCOLN MERCURY
8051 AUTO CENTER DRIVE
LIGHTING PLAN

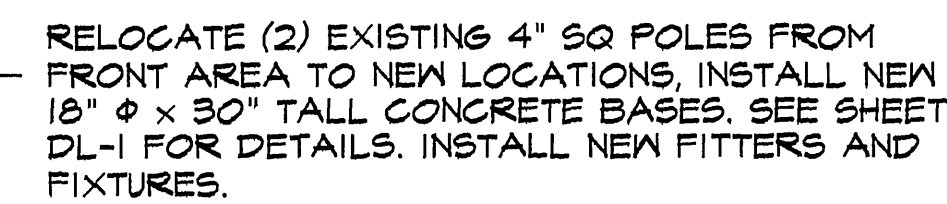
FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

SHEET
DL-8
OF 13

FILE NO. 9613380

INDEXED 12-26-01 LHM

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EXISTING SWITCHBOARD

DISTRIBUTION BOARD				SECTION 1 OF 1				Bus: 277 /480 Volts				X Main C.B., 250 AMP			
Location: PARTS				Serving: DISTRIBUTION				3 Φ, 4 Wire, 400 AMP				Main Lugs Only			
Integrated Equipment SC Rating 35,000 RMS SYM AMPS				Feed Thru Lugs SubFeed Lugs				Iso. Gnd. Bus				Flush Mnt. X Surface Mnt.		Top Feed X Bot. Feed	
Load Type	Circuit Description	CONN		C.B.		PH	C.B.		CONN		Circuit Description	Load Type			
		VA	AMP	Pole	CKT		CKT	Pole	AMP	VA					
L	OFFICE LIGHTING	4200	40	3	1	A	2								
L	OFFICE LIGHTING	4200	40	3	3	A	B	4							
L	OFFICE LIGHTING	4200	40	3	5	A	B	C	6						
M	AIR CONDITIONER #1	8310	100	3	7	A	8	2	100	9000	PARTS TRANSFORMER	N			
M	AIR CONDITIONER #2	8310	100	3	9	B	10	2	100	9000	PARTS TRANSFORMER	N			
M	AIR CONDITIONER #1	8310	100	3	11	C	12								
M	AIR CONDITIONER #3	4200	70	3	13	A	14	3	70	10000	USED CAR OFFICE	L			
M	AIR CONDITIONER #3	4200	70	3	15	B	16	3	70	10000	USED CAR OFFICE	L			
M	AIR CONDITIONER #3	4200	70	3	17	C	18	3	70	10000	USED CAR OFFICE	L			
						A									
						B									
						C									
L	PANEL PL	12840		3	25	A									
L	PANEL PL	8568		3	27	A									
L	PANEL PL	8568		3	29	B									
						A									
						B									
						C									
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:												0.00 KVA			
Total Noncoincident (E) Load (Not included in demand load):												0.00 KVA			
Total Lighting (L) Load @ 1.25%:												18.00 KVA			
Total Motor (M) Load:				37.53 KVA		Total NonContinuous (N) Load:				146.3 KVA					
Total Motor (M) Load:				37.53 KVA		Largest Motor: (25% added to demand load):				HP 0.00 KVA					
TOTAL CONNECTED LOAD:				AMP		A		B		C		TOTAL DEMAND LOAD			
128.1 KVA				Total / Φ		175		160		127		146.3 KVA 176.0 A			

NEW PANELBOARD PL

PANEL NO. PL		SECTION 1 OF 1				Bus: 277 /480 Volts				Main C.B.					
Location: PARTS		Serving: LIGHTING				3 Φ , 4 Wire, 225 AMP				X Main Lugs Only					
Integrated Equipment SC Rating 35,000 RMS SYM AMPS				Feed Thru Lugs SubFeed Lugs				Iso. Gnd. Bus				Flush Mnt. X Surface Mnt.		X Top Feed Bot. Feed	
Load Type	Circuit Description	CONN VA	AMP	C.B. Pole	CKT	PH	CKT	Pole	AMP	CONN VA	Circuit Description	Load Type			
L	LIGHTING	3210	2	2	1	A	2	2	20	3210	LIGHTING	L			
L	LIGHTING	3210	2	2	3	B	4	2	20	3210	LIGHTING	L			
L	LIGHTING	3210	2	2	5	C	6	2	20	3210	LIGHTING	L			
L	LIGHTING	3210	2	2	7	A	8	2	20	3210	LIGHTING	L			
L	LIGHTING	2148	2	2	9	B	10	1							
L	LIGHTING	2148	2	2	11	C	12	1							
				1	13	A	14	1							
				1	15	B	16	1							
				1	17	C	18	1							
				1	19	A	20	1							
				1	21	B	22	1							
				1	23	C	24	1							
				1	25	A	26	1							
				1	27	B	28	1							
				1	29	C	30	1							
				1	31	A	32	1							
				1	33	B	34	1							
				1	35	C	36	1							
				1	37	A	38	1							
				1	39	B	40	1							
				1	41	C	42	1							
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:												0.00 KVA			
Total Noncoincident (E) Load (Not included in demand load):												0.00 KVA			
Total Lighting (L) Load @ 1.25%: 37.47 KVA												0.00 KVA			
Total Motor (M) Load: 0 KVA												0.00 KVA			
Total NonContinuous (N) Load:												0.00 KVA			
Largest Motor: (25% added to demand load): HP												0.00 KVA			
TOTAL CONNECTED LOAD			AMP		A		B		C		TOTAL DEMAND LOAD				
30.0 KVA			Total / Φ		46		31		31		37.5 KVA				
											45.1 A				



LIGHTING FIXTURE SCHEDULE FOR PLAN DL-9

Plan A

- (10) double fixtures 1000-MH on 5"sq.x 18' poles.
(10 left throw and 10 right throw)
- (2) Same as above except poles to have openings for electrical convenience outlets (contractor to furnish outlet and cover)
(2 Left-Throw and 2 Right-throw)
For the (2) Relocated Poles
- (2) Left throw light fixtures with 1000-MH lamps. (with arm template)
- (2) Right throw light fixtures with 1000-MH lamps. (with arm template)
- (2) sets 1"x 36" anchor bolts.
- (2) Pole-top caps for 4" square poles (painted white)

NOTE: Above 2 relocated poles shall be repainted in white to match the new lights (contractor to furnish paint materials)

FILE W/R-3471

 <p>Underground Service Alert Call: TOLL FREE 1 - 800 422 - 4133</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE</p> <p>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THE REQUIRED SHALL BE MADE TO KEEP JOB SITE CONDITIONS UNDER CONTROL AND TO HOLD THE CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY OF THE CONTRACTOR OR ANY OTHER PERSONS OR PROPERTY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>	 <p>WEST COAST DESIGN ELECTRICAL AND LIGHTING ENGINEERS 26692 PASCO DRILL, SUITE 200 SAN JUAN CAPISTRANO, CA 92675 (714) 240-1378 FAX 240-1782</p>	<p>SCALE: 1" = 30'</p> <p>DATE: MAY 1997</p>	<p>BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE ELEVATION: 810.933</p>	<table border="1"> <tr> <th>MARK</th> <th>REVISIONS</th> <th>APPR.</th> <th>DATE</th> </tr> <tr> <td>DESIGNED BY _____</td> <td>DRAWN BY _____</td> <td>CHECKED BY _____</td> <td></td> </tr> </table>	MARK	REVISIONS	APPR.	DATE	DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____		<p>CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS</p> <table border="1"> <tr> <td>APPROVED BY _____</td> <td>BY _____</td> <td>DATE _____</td> <td>APPROVED BY _____</td> </tr> <tr> <td>PRINCIPAL ENGR.</td> <td></td> <td></td> <td>DIRECTOR OF PUBLIC WORKS</td> </tr> <tr> <td>PARK DEPARTMENT</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TRAFFIC DIVISION</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CHIEF P.W. ENGR.</td> <td></td> <td></td> <td>DATE _____</td> </tr> </table>	APPROVED BY _____	BY _____	DATE _____	APPROVED BY _____	PRINCIPAL ENGR.			DIRECTOR OF PUBLIC WORKS	PARK DEPARTMENT				TRAFFIC DIVISION				CHIEF P.W. ENGR.			DATE _____	<p>IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE STATE OF CALIFORNIA</p> <p>AUTO CENTER RENOVATION PLAN MULLER-HOOD BUICK 8001 AUTO CENTER DRIVE LIGHTING PLAN</p> <p>FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT</p>	<p>PROJECT NO.</p> <p>SHEET</p> <p>DL-9</p> <p>OF 13</p> <p>FILE NO.: 9613380</p>
						MARK	REVISIONS	APPR.	DATE																											
DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____																																		
APPROVED BY _____	BY _____	DATE _____	APPROVED BY _____																																	
PRINCIPAL ENGR.			DIRECTOR OF PUBLIC WORKS																																	
PARK DEPARTMENT																																				
TRAFFIC DIVISION																																				
CHIEF P.W. ENGR.			DATE _____																																	

C:\AUTOMALL\VDL-10 Thu Nov 20 18:32:14 1997

REMOVE EXISTING FIXTURES AND INSTALL NEW FITTERS AND HEADS TO MATCH EXISTING POLES ALONG DETROIT. MAY REQUIRE CUTTING OF POLES.

INSTALL NEW CONCRETE BASE, RELOCATE POLE & CONVERT TO TWIN HEAD. USE EXIST. CIRCUITS # 4.6 & 5.7 FOR NEW LIGHTS. INTERCEPT EXIST. CONDUIT AND ROUTE INTO NEW BASE.

1" C. W/ 5 #6 THWN & 1 #8 GND.

INSTALL NEW POLE & FIXTURES ON EXISTING BASE.

INTERCEPT EXISTING CONDUIT, INSTALL ED-17 PB AND ROUTE NEW WIRING INTO POLE. ABANDON EXISTING WIRING - SAFETY WIRING

(K) TYPICAL OF THE (6) NEW POLES THIS SIDE OF DEALERSHIP. SPACING TO BE 40' TYPICAL.

1" C. W/ 6 #6 THWN & 1 #8 GND.

1 1/4" C. W/ 9 #6 THWN & 1 #8 GND.

INSTALL NEW POLE AND TRIPLE HEADS ON EXISTING BASE.

INTERCEPT EXIST. CONDUIT, INSTALL ED-17 FULL BOX & WIRE INTO EXISTING BASE.

INSTALL NEW BASE TO MATCH. RELOCATE EXISTING POLE W/ 3 FIXTURES TO NEW BASE. INTERCEPT EXISTING CIRCUIT AND INSTALL TO NEW BASE & FIXTURES.

2" C. W/ 9 #4 THWN & 1 #8 THWN GND.

PANEL "PL"
MAIN SWITCHGEAR

INSTALL NEW 200 AMP PANELBOARD WITH (5) 3 POLE BREAKERS FOR LIGHTING. INSTALL A 2" C. W/ (4) 3/0 THWN & #6 GND. FROM MAIN GEAR TO NEW PANEL "PL". ADD A 200 AMP 3P BUCKET TO MAIN GEAR WITH 200A LPN-RK-200 FUSES. INSTALL A 18" x 18" x 6" PB AND (5) 3P 40 AMP RELAYS. CONTROL FROM TIME CLOCK CONTROLLING EXISTING LIGHTING. RELAYS TO BE GE #CR35AD9BAI.

NEW PANEL "PL"

LIGHTING FIXTURE SCHEDULE FOR PLAN DL-10 (10-19-97)

- Type A (3) double fixtures 1000-MH 5"sq.x 18' poles.
(3 left-throw and 3 right-throw)
- Type K (6) Triple fixtures 1000-MH on 5"sq.x 18' poles.
(6 left-throw, 6 right-throw and 6 forward-throw)
- Type L-M (4) Double fixtures 1000-MH with special 24" long pole adapters.
(4 left-throw and 4 right-throw)

NOTE: (5) existing poles shall be repainted in white to match the new lights and risers (contractor to furnish paint materials)

NOTE: The (3) existing lights (see K) shall be re-lamped with new MVR1000/U metal halide lamps (furnished by electrical contractor), plus wash glass lens and reflector in each.

PANEL NO. PL		Bus: 120/208 Volts		3 Φ, 4 Wire, 200 AMP		X Main Lugs Only		X Top Feed	
Location: ELECTRIC ROOM		Serving: SALES LOT LIGHTING		Feed Thru Lugs		Flush Mnt.		X Surface Mnt.	
Integrated Equipment SC Rating		10,000 RMS SYM AMPS		SubFeed Lugs		C.B.		C.B.	
Load Type		Circuit Description		CONV. VA		C.B. AMP		C.B. VA	
L LIGHTING		2140 30 3 1 A		2 3 30		2140 LIGHTING		L	
L LIGHTING		2140 30 3 3 B		4 3 30		2140 LIGHTING		L	
L LIGHTING		2140 30 3 5 C		6 3 30		2140 LIGHTING		L	
L LIGHTING		2140 30 3 7 A		8 3 30		2140 LIGHTING		L	
L LIGHTING		2140 30 3 9 B		10 3 30		2140 LIGHTING		L	
L LIGHTING		2140 30 3 11 C		12 3 30		2140 LIGHTING		L	
L LIGHTING		2140 30 3 13 A		14 1 1		SPACE			
L LIGHTING		2140 30 3 15 B		16 1 1		SPACE			
L LIGHTING		2140 30 3 17 C		18 1 1		SPACE			
SPACE		1 19 A		20 1 1		SPACE			
SPACE		1 21 B		22 1 1		SPACE			
SPACE		1 23 C		24 1 1		SPACE			
SPACE		1 25 A		26 1 1		SPACE			
SPACE		1 27 B		28 1 1		SPACE			
SPACE		1 29 C		30 1 1		SPACE			
END OF PANEL						END OF PANEL			
Total Receptacle (R) Load @ 180VA/area, 100% for first 10,000VA, & 50% for remainder:						0.00 KVA			
Total Noncontinuous (E) Load (Not included in demand load):						0.00 KVA			
Total Lighting (L) Load @ 1.25%:		40.125 KVA		Total Noncontinuous (N) Load:		0.00 KVA			
Total Motor (M) Load:		0 KVA		Largest Motor: (25% added to demand load):		HP			
TOTAL CONNECTED LOAD:		32.1 KVA		AMP		TOTAL DEMAND LOAD			
		Total / Φ		A B C		40.1 KVA		111.5 A	
				89 89 89					

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PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, SUFFERING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER
No. E11028
Exp. 05/30/98
ELECTRICAL
STATE OF CALIFORNIA

WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO PULLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1978 FAX 240-1782

SCALE: 1"=30'
DATE: NOVEMBER 1997
BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE
ELEVATION: 810.933

MARK REVISIONS
DESIGNED BY
DRAWN BY
CHECKED BY

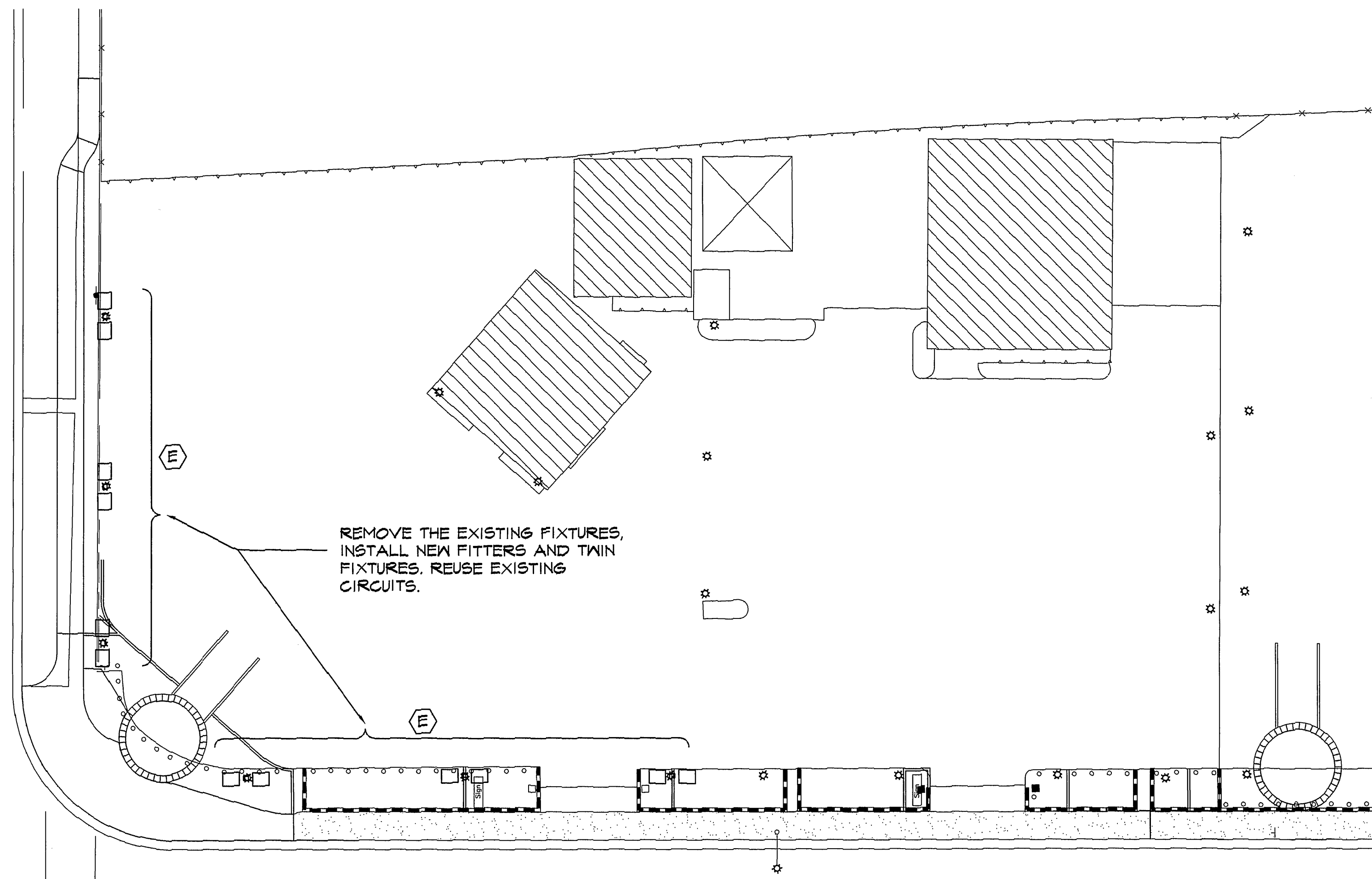
CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS
APPROVED BY
PRINCIPAL ENGR.
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.
DATE

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA
AUTO CENTER RENOVATION PLAN
RIVERSIDE CHRYSLER
7979 AUTO CENTER DRIVE
LIGHTING PLAN
FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT
PROJECT NO.
SHEET
DL-10
OF 13
FILE NO.: 9613380

File W/R-341

INDEXED 12-26-01 LPH

C:\AUTOMALL\DL-11 Thu Nov 20 18:41:28 1997



** ENGINEERING NOTE: THE EXISTING FIXTURES ARE BEING REPLACED WITH NEW FIXTURES OF THE SAME WATTAGE. REUSE EXISTING CIRCUITS THERE WILL BE NO CHANGE IN PANEL SCHEDULES OR LOADS.

LIGHTING FIXTURE SCHEDULE FOR PLAN DL-11

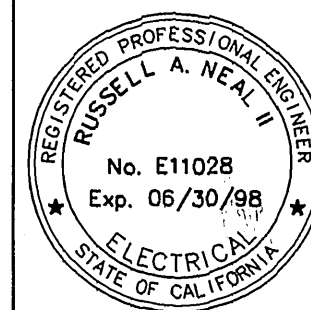
Type E (6) Double fixtures 1000-MH with special 54" long pole risers. (risers to be field-attached to existing round poles (6 left-throw reflectors and 6 right-throw reflectors)

NOTE: Above (6) existing poles shall be repainted in white to match the new lights and risers (contractor to furnish paint materials).

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PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO BRILLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1978 FAX 240-1782

SCALE: 1"=20'
DATE: APRIL 1997

BENCH MARK: RIV. CO. BM 801-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE
ELEVATION: 810.933

MARK REVISIONS APPR. DATE
DESIGNED BY DRAWN BY CHECKED BY

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGR.			DIRECTOR OF PUBLIC WORKS
PARK DEPARTMENT			
TRAFFIC DIVISION			
CHIEF P.W. ENGR.			DATE

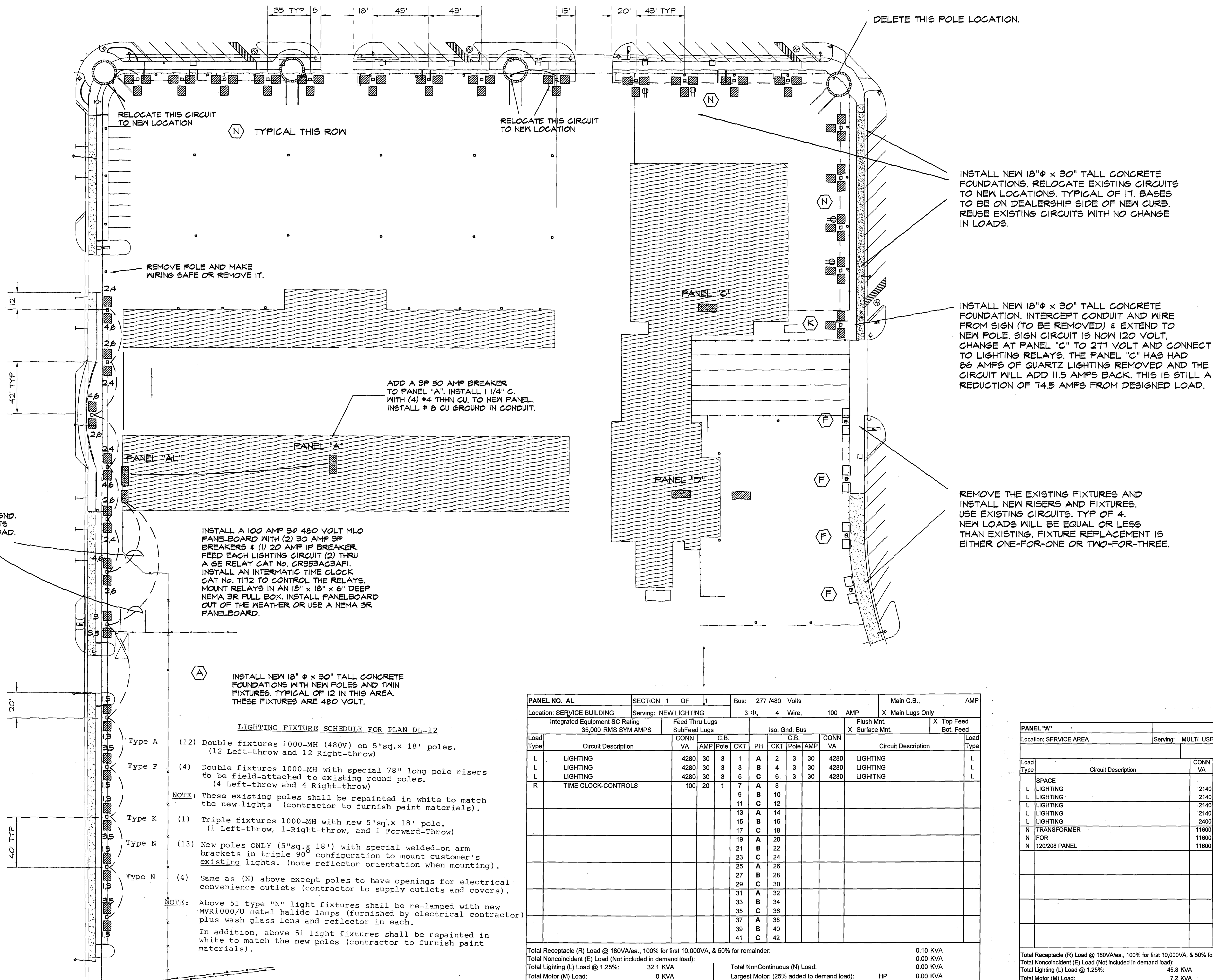
IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA
AUTO CENTER RENOVATION PLAN
TOYOTA TRUCK LOT
7877 INDIANA AVE.
LIGHTING PLAN

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO.
SHEET
DL-11
OF 13
FILE NO.: 9613380

INDEXED 12-26-01 4th

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LIGHTING FIXTURE SCHEDULE FOR PLAN DL-12

- (12) Double fixtures 1000-MH (480V) on 5"sq.x 18' poles.
(12 Left-throw and 12 Right-throw)
- (4) Double fixtures 1000-MH with special 78" long pole risers to be field-attached to existing round poles.
(4 Left-throw and 4 Right-throw)
- NOTE: These existing poles shall be repainted in white to match the new lights (contractor to furnish paint materials).
- (1) Triple fixtures 1000-MH with new 5"sq.x 18' pole.
(1 Left-throw, 1-Right-throw, and 1 Forward-Throw)
- (13) New poles ONLY (5"sq.x 18') with special welded-on arm brackets in triple 90° configuration to mount customer's existing lights. (note reflector orientation when mounting).
- (4) Same as (N) above except poles to have openings for electrical convenience outlets (contractor to supply outlets and covers).
- NOTE: Above 51 type "N" light fixtures shall be re-lamped with new MVRI000/U metal halide lamps (furnished by electrical contractor) plus wash glass lens and reflector in each.
In addition, above 51 light fixtures shall be repainted in white to match the new poles (contractor to furnish paint materials).

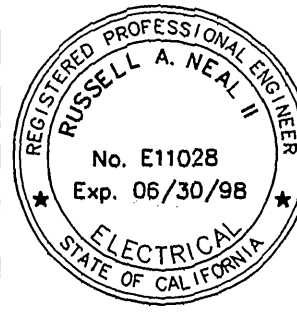
PANEL NO. AL		SECTION 1 OF 1		Bus: 277 /480 Volts		Main C.B.,		AMP	
Location: SERVICE BUILDING		Serving: NEW LIGHTING		3 Φ, 4 Wire, 100 AMP		X Main Lugs Only			
Integrated Equipment SC Rating		Feed Thru Lugs		Iso. Gnd. Bus		Flush Mnt.		X Top Feed	
35,000 RMS SYM AMPS		SubFeed Lugs		C.B.		X Surface Mnt.		Bot. Feed	
Load Type	Circuit Description	CONN VA	AMP	PH	CT	Pole	CT	PH	CT
L	LIGHTING	4280	30	3	1	A	2	3	30
L	LIGHTING	4280	30	3	3	B	4	3	30
L	LIGHTING	4280	30	3	5	C	6	3	30
R	TIME CLOCK-CONTROLS	100	20	1	7	A	8		
					9	B	10		
					11	C	12		
					13	A	14		
					15	B	16		
					17	C	18		
					19	A	20		
					21	B	22		
					23	C	24		
					25	A	26		
					27	B	28		
					29	C	30		
					31	A	32		
					33	B	34		
					35	C	36		
					37	A	38		
					39	B	40		
					41	C	42		
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:								0.10 KVA	
Total Noncoincident (E) Load (Not included in demand load):								0.00 KVA	
Total Lighting (L) Load @ 1.25%:		32.1 KVA		Total NonContinuous (N) Load:				0.00 KVA	
Total Motor (M) Load:		0 KVA		Largest Motor: (25% added to demand load):		HP		0.00 KVA	
TOTAL CONNECTED LOAD:		25.8 KVA		TOTAL DEMAND LOAD		32.2 KVA		38.7 A	
		AMP							
		Total / Φ				A B C			
						31 31 31			

PANEL "A"		Bus: 277 /480 Volts		MAIN BREAKER @ 125 AMPS	
Location: SERVICE AREA		Serving: MULTI USE		SURFACE MOUNTED	
		3 Φ, 4 Wire, 125 AMP			
Load Type	Circuit Description	CONN VA	AMP	PH	CT
L	SPACE LIGHTING	2140	15	1	1
L	LIGHTING	2140	20	1	3
L	LIGHTING	2140	20	1	5
L	LIGHTING	2140	20	1	7
L	LIGHTING	2140	20	1	9
L	LIGHTING	2400	20	1	11
N	TRANSFORMER	11600	70	3	13
N	FOR	11600	70	3	15
N	120/208 PANEL	11600	70	3	17
Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder:				0.00 KVA	
Total Noncoincident (E) Load (Not included in demand load):				0.00 KVA	
Total Lighting (L) Load @ 1.25%:		45.8 KVA		Total NonContinuous (N) Load:	
Total Motor (M) Load:		7.2 KVA		Largest Motor: (25% added to demand load):	
TOTAL CONNECTED LOAD:		78.6 KVA		3 HP	
		AMP			
		Total / Φ			
				A B C	
				89 87 98	

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PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION
CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE
RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF
CONSTRUCTION OF THE PROJECT INCLUDING SHIELDING OF ALL UTILITIES
AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY
CONSTRUCTION CONTRACTORS FURTHER AGREES TO DEFEND, INDEMNIFY
AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL
LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE
PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY
ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



WEST COAST DESIGN
ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO DEL SOL, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1978 FAX 240-1782

SCALE: 1"=40'
DATE: OCTOBER 1997

BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN
CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF
INDIANA AVENUE
ELEVATION: 810.933

DESIGNED BY: MARK
DRAWN BY: REVISIONS
CHECKED BY: APPR. DATE

CITY OF RIVERSIDE,
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: BY DATE
PRINCIPAL ENGR.
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.
APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA
AUTO CENTER RENOVATION PLAN
RIVERSIDE CHEVROLET
8200 AUTO CENTER DRIVE
LIGHTING PLAN

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO.
SHEET
DL-12
OF 13
FILE NO.: 9613380

INDEXED 12-26-01

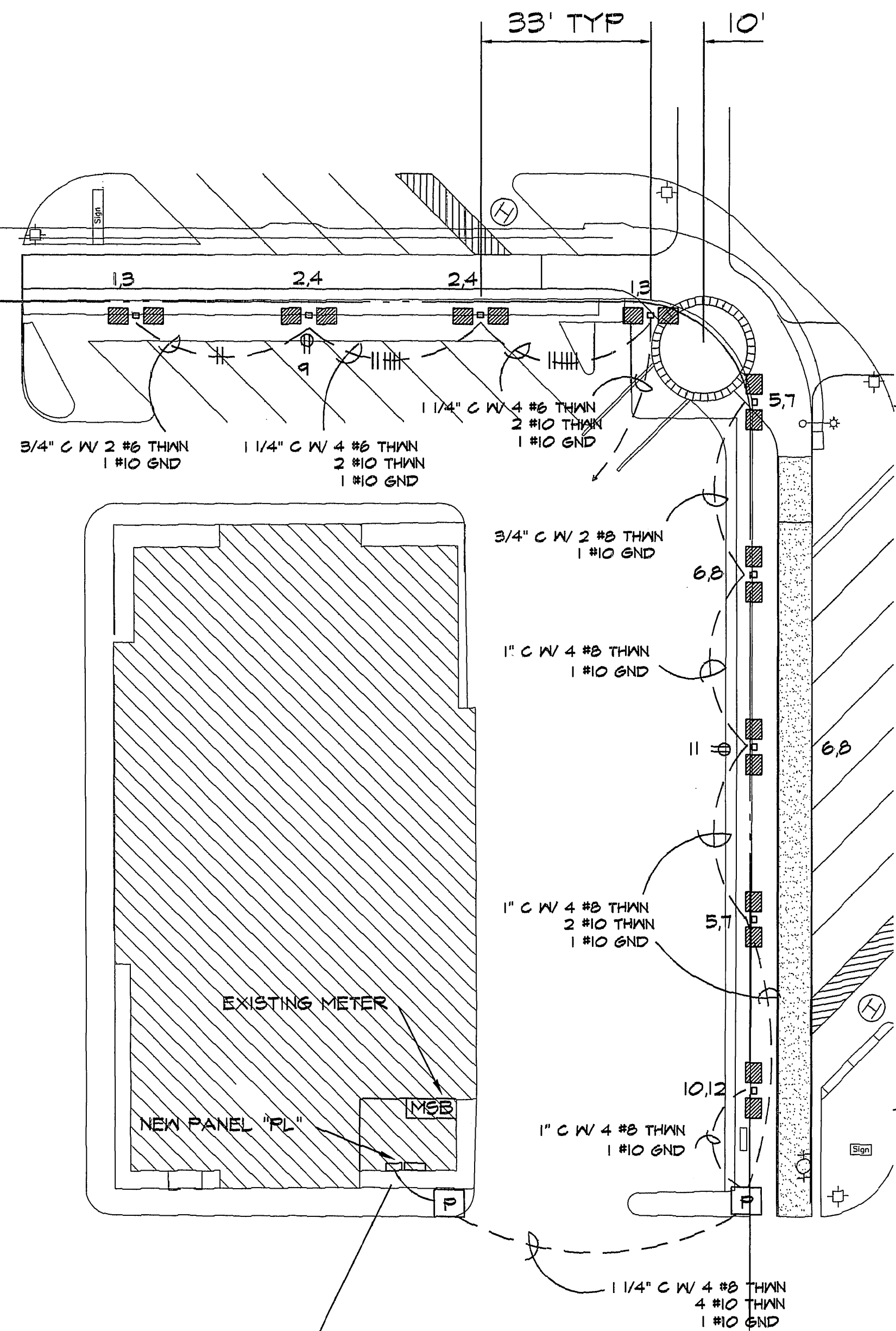
REMOVE THE EXISTING EQUIPMENT,
INSTALL NEW POLE WITH SINGLE
FIXTURE. REUSE EXISTING CIRCUITS.
REUSE EXISTING FOUNDATIONS.

REMOVE THE EXISTING EQUIPMENT,
INSTALL NEW POLES WITH TWIN
FIXTURES. REUSE EXISTING
CIRCUITS.
REUSE EXISTING FOUNDATIONS.

PANEL NO. PL		Bus: 120 /208 Volts		3 Φ, 4 Wire, 125 AMP		Main Lugs Only	
Location: ELECTRIC ROOM		Serving: SALES LIGHTING		Integrated Equipment SC Rating 10,000 RMS SYM AMPS		Feed Thru Lugs SubFeed Lugs	
Load Type		Circuit Description		CONN VA AMP Pole		C.B. Pole	
L	*	SALES LIGHTING	2140	30	2	1	A
L	*	SALES LIGHTING	2140	30	2	3	B
L	*	SALES LIGHTING	2140	30	2	5	C
L	*	SALES LIGHTING	2140	30	2	7	A
R		OUTLET @ FRONT	500	20	1	9	B
R		OUTLET @ SIDE	500	20	1	11	C
SPACE						13	A
SPACE						15	B
SPACE						17	C
SPACE						19	A
SPACE						21	B
SPACE						23	C
SPACE						25	A
SPACE						27	B
SPACE						29	C
END OF PANEL							
END OF PANEL							

Total Receptacle (R) Load @ 180VA/ea., 100% for first 10,000VA, & 50% for remainder: 1.00 KVA
Total Noncoincident (E) Load (Not included in demand load): 0.00 KVA
Total Lighting (L) Load @ 1.25%: 24.075 KVA
Total Motor (M) Load: 0 KVA
Total NonContinuous (N) Load: 0.00 KVA
Largest Motor: (25% added to demand load): HP 0.00 KVA
TOTAL CONNECTED LOAD: 20.3 KVA
Total / Φ: 71 49 49
TOYAL DEMAND LOAD: 25.1 KVA 69.7 A

* CIRCUITS CONTROLLED BY PHOTOCELL & (1) 4P 40A RELAY. MOUNT RELAY IN PULL BOX NEXT TO PANEL. RELAY SHALL BE GE CAT NO. CR353AD4BAI.
+ CIRCUITS CONTROLLED BY TIME CLOCK & (2) 4P 40A RELAY. MOUNT RELAYS IN PULL BOX NEXT TO PANEL. RELAYS SHALL BE GE CAT NO. CR353AD4BAI. USE INTERMATIC T-101 OR EQUAL.



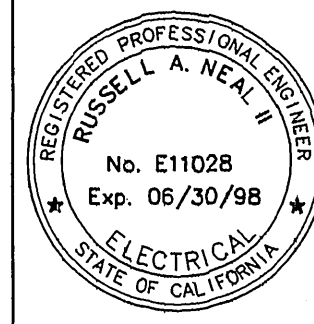
INSTALL NEW SP 125 AMP BREAKER WITH HARDWARE IN EXISTING G.E. SWITCHGEAR. RUN 1 1/2" EMT WITH 4 #1 THHN CU WIRE FROM NEW BREAKER TO NEW PANEL (SEE PANEL SCHEDULE THIS SHEET). NEW PANEL TO BE G.E. CAT NO. TL18415C OR EQUAL. INSTALL A 18" x 18" x 6" PULL BOX NEXT TO PANEL. INSTALL REQUIRED RELAYS AND CIRCUITS FOR THE NEW LIGHTING. PHOTOCELL SHALL BE LOCATED AT REAR OF ROOF LINE OF BUILDING, FACING NORTH. CORE THROUGH WALL AND INSTALL CONDUIT FROM RELAY BOX TO EXTERIOR CONCRETE PULL BOX.

INSTALL (4) NEW 30" RAISED CONCRETE FOUNDATIONS (SEE DETAIL ON SHEET DL-1)

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PRIVATE ENGINEERING NOTE

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WEST COAST DESIGN

ELECTRICAL AND LIGHTING ENGINEERS
26692 PASEO BRILLO, SUITE 200
SAN JUAN CAPISTRANO, CA 92675
(714) 240-1878 FAX 240-1782

SCALE: 1"=20'
DATE: OCTOBER 1997

BENCH MARK: RIV. CO. BM 601-21-68, CALTRANS BRASS DISK SET IN CONC. WELL LOCATED IN CENTERLINE OF MONROE STREET 40' NW OF INDIANA AVENUE
ELEVATION: 810.933

MARK REVISIONS APPR. DATE
DESIGNED BY DRAWN BY CHECKED BY

CITY OF RIVERSIDE, DEPARTMENT OF PUBLIC WORKS

APPROVED BY BY DATE APPROVED BY
PRINCIPAL ENGR.
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.
DATE

IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE
STATE OF CALIFORNIA
AUTO CENTER RENOVATION PLAN
MITSUBISHI DEALERSHIP
8100 AUTO CENTER DRIVE
LIGHTING PLAN

FOR: RIVERSIDE AUTO CENTER ASSESSMENT DISTRICT

PROJECT NO.
SHEET
DL-13
OF 13
FILE NO.: 9613380

INDEXED 12-26-01 LFT